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Groundwater evolution process in the granite at Mizunami Underground Research Laboratory (MIU) construction site

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Hydrochemical investigations of deep groundwater at the depth of 170-500m below ground level in the granite were carried out at Mizunami Underground Research Laboratory (MIU) construction site, Gifu Japan. The groundwater chemistry in the granite, Cl concentration is getting abundance with depth. This trend suggests that mixing process between low-salinity and high-salinity groundwater. This paper also reports the estimation of groundwater chemistry below the depth of 500m.